

KAPELYUSH, S., kand. ekonom. nauk; KASHAYEV, A., kand. ekonom. nauk

Calculating and accounting in the production of intermediate
meat products in food processing enterprises. Obshchestv. pit.
no. 7:5-10 J1 '62. (MIRA 15:10)

(Meat industry—Accounting)

KAPELYUSH, S., kand. ekonom. nauk; KASHAYEV, A., kand. ekonom. nauk

Basic principles of accounting for the production and for its
use. Obshchestv. pit. no.12:49-53 D '62.

(MIRA 16:1)

(Restaurants, lunchrooms, etc.—Accounting)

DRITS, V.A.; KASHAYEV, A.A.

X-ray study of a kaolinite single crystal. Kristallografiia 5
no.2:224-227 Mr+Ap '60. (MIRA 13:9)

1. Irkutskiy gosudarstvennyy universitet i Irkutskoye geologoupravleniye.
(Kaolinite)

DRITS, V.A.; KASHAYEV, A.A.

X-ray diffraction study of some composite laminated structures.
Kristallografiia 6 no.2:190-195 Mr-Ap '61. (MIRA 14:9)

1. Irkutskiy gosudarstvennyy universitet im. A.A.Zhdanova.
(X rays--Diffraction) (Crystal lattices)

KASHAYEV, A.A.; RAFIKOV, T.K.

Methods of obtaining and calculating X-ray powder patterns. Trudy
Alt. GMNII AN Kazakh. SSR 14:131-133 '63. (MIRA 16:9)
(Metal powders) (X-rays--Diffraction)

KOPYLOV, N.I.; NOVOSELOV, S.S. ; YUZVAK, L.A.; KASHAYEV, A.A.

Some properties of chemical compounds in the system $\text{Cu}_2\text{S}-\text{Na}_2\text{S}$.
Zhur. neorg. khim. 9 no.6:1403-1405 Je '63 (MIRA 17:8)

STROITELEV, I.A.; SAUKHATAS, I.S.; KASHAYEV, A.A.

Chemical and metallurgical investigation of converter slags
from the Balkhash copper smelting plant. Sbor.trud. VNIITSVETMET
no.9:136-147 '65. (MIRA 18:11)

BAKANOV, M.I., doktor ekonom. nauk, prof.; KAPELYUSH, S.M., kand. ekonom. nauk, dotsent; KASHAYEV, A.N., kand. ekonom. nauk, dotsent; GOFMAN, G.A., kand. ekonom. nauk; TATSIY, G.M., kand. ekonom. nauk, dotsent; KAPLAN, A.I., kand. ekonom. nauk, dotsent; STARCHAKOVA, I.I., red.; TERYUSHIN, M.I., tekhn. red.

[Accounting principles in commerce] Osnovy bukhgalterskogo ucheta v
torgovle. Moskva, Gos. izd-vo torg. lit-ry, 1961. 376 p.

(MIRA 14:10)

1. Kafedra ucheta i statistiki Zaochnogo instituta sovetskoy torgovli
(for Bakanov, Kapelyush, Kashayev, Gofman, Tatsiy, Kaplan).
(Russia—Commerce—Accounting)

BARYSHNIKOV, Yevgeniy Ivanovich; KASHAYEV, Aleksey Nikolayevich,
kand. ekon. nauk, dots.; FIRSOVA, Iya Alekseyevna;
KIRAKOZOVA, N.Sh., red.

[Accounting in state commerce] Bukhgalterskii uchet v gosudarstvennoi trgovle. Moskva, Ekonomika, 1964. 446 p.
(MIRA 17:8)

MALINKOVSKIY, V.V.; KOZLOVA, Ye.D.; MORSKOY, G.I.; KUZNETSOV, G.V.;
KASHAYEV, G.T.

Increasing the yield of wild rose thickets. Trudy VNIVI 8:89-93
'61. (MIRA 14:9)

1. Sel'skokhozyaystvennyy otdel Vsesoyuznogo nauchno-issledovatel'-
skogo vitaminного instituta i Shchelkovskiy i Ufinskiy vitaminnyye
zavody.

(Roses)

SHCHERBAKOV, P., inzh.; KASHAYEV, I., inzh.; MATVEYEV, V., inzh.

Corrosion of the underwater part of "Kazbek"-type tanker
hulls. Mor. flot 21 no.9:24-26 S '61. (MIRA 14:9)

1. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo
flota.

(Tank vessels--Corrosion)

BERSHTEYN, V.A., inzh.; KASHAYEV, I.N., inzh.; RYT, E.Sh., inzh.; TSODIKOVA,
S.T., inzh.; Prinimali uchastiye: KRASIL'SHCHIKOVA, B.L., inzh.;
KONONOVA, N.I., inzh.; MATVEYEV, V.M., inzh.

Results of testing synthetic antifouling paints for seagoing
ships. Sudostroenie 28 no.4:41-44 Ap '62. (MIRA 15:4)
(Fouling of ship bottoms) (Ships—Painting)

KASHAYEV, Kh. G

see KASHAYEV, S- Kh. G.

ULEZKO, D.N.; KASHAYEV, O.A.

Determining the smoothness of surfaces by means of impressions.
Izv. tekhn. no. 3:76 My-Je '57. (MLRA 10:8)
(Surfaces (Technology)) (Interferometry)

KASHAYEV, P. O.

Kashayev, P. O. --"Histogenesis of the Cicatrix of Cardiac Muscle in the Presence of Penetrating and Nonpenetrating Wounds." Chair of Histology and Embryology of the Rostov-on-Don State Medical Inst, Rostov-on-Don, 1955
(Dissertation for Degree of Doctor of Medical Sciences.)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

KASHAYEV, S.I.

POPOV, I.P., kandidat biologicheskikh nauk; PERLINA, A.M., kandidat
tekhnicheskikh nauk; KASHAYEV, S.I.

Water softening in Moscow laundries. Gor.khoz.Mosk. 28 no.8:22-23
Ag '54. (MLRA 7:9)

1. Starshiy tekhnolog Moskovskogo gorodskogo tresta prachechnykh
(for Kashayev)
(Water--Softening) (Moscow--Laundries, Public) (Laundries,
Public --Moscow)

KASHAYEV, S. -Kh. G.

"Resonating Paramagnetic Absorption in Certain Solid Solutions." Cand
Chem Sci, Molotov State U, Molotov, 1954. (RZhKhim, No 5, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (15)

KASHAEV, S. Ch.

SUBJECT USSR / PHYSICS
AUTHOR KASAEV, S.-CH.G.
TITLE The Exchange Interaction in some Paramagnetica.
PERIODICAL Dokl. Akad. Nauk 110, fasc. 3, 362 - 364 (1956)
Issued: 12 / 1956

CARD 1 / 2

PA - 1642

The principal investigations were carried out by the lattice current method developed by E.K. ZAVOJSKIY (doctor's dissertation, Physical Institute of the Academy of Science, Moscow, 1944). The device permitted the determination of the absorption lines and measuring was carried out on the crystal powders of two solid solutions: MnS , ZnS and $\text{Mn}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$, $\text{Zn}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$. The compounds contain the same paramagnetic ion Mn^{++} , but they have different crystal lattices. The authors intend to find out in what manner the difference of crystal lattices expresses itself in the experimental course of the dependence of the half width on the concentration of the magnetic ions and in what way this difference influences the character of the modification of commutation interaction. The dependence of the experimental values of the half width δ on the relative concentration f of the magnetic ions is illustrated by a diagram for the aforementioned systems of the solid solutions. In accordance with these results the half width of the lines of paramagnetic absorption at first increases to a maximum in the case of magnetic "thinning-out" in spite of theoretical predictions (which take only magnetic interaction into account), after which it again diminishes. This could be explained by a difference in the velocity of the decrease of magnetic- and exchange interaction on the occasion of "thinning out". The extreme value of half-width apparently corresponds to the magnetic concentration in which

Dokl.Akad.Nauk 110, fasc.3, 362 - 364 (1956) CARD 2 / 2

PA - 1642

exchange- and magnetic interaction diminish with the same velocity. The concentration value that corresponds to the extreme half-width was assumed as the limit of influence exercised by exchange interaction. In pure manganese sulphide exchange interaction is very considerable. Conclusions regarding the dependence of exchange-interaction on the average distances between magnetic particles are possible only by a comparison of substances having similar crystal lattices (e.g. of solid solutions of one type).

Test results contradict the hypothesis by F.W. LANCASTER and W. GORDY, J.Chem.Phys., 19, 1181 (1951) according to which exchange interaction in $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$ is much greater than in CuF_2 . This is obviously due to the possibility of an additional exchange between the 3d - shells of copper ions by the 3d - shells of chlorine ions, for, according to crystallographic data exchange-interaction in $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$ and $\text{CuF}_2 \cdot 2\text{H}_2\text{O}$ is stronger than in CuF_2 . In conclusion measuring in Nd_2O_3 and in the solid solutions $\text{Nd}_2\text{O}_3, \text{La}_2\text{O}_3$ is discussed.

INSTITUTION: Physical-Technical Institute of the Kazan branch of the Academy of Science of the USSR

ROBINZON, Ye. A.; GRISHINA, O. N.; MUKHAMEDOVA, L. A.; URMANCHEYEV, F. A.;
IZMAYLOV, R. I.; BONCHER, L. Ye.; KASHAYEV, S. Kh. G.; AMIRKHABOVA,
N. G.; GONIK, V. K.; BAYBUROVA, M. Kh.; NECHAYEVA, M. A.

Petroleum of the Tatar A.S.S.R. Izv. Kazan. fil. AN SSSR. Ser. khim.
nauk no. 4: 93-113 '57. (MIRA 12:5)
(Tatar A.S.S.R. -- Petroleum)

62-58-3-11/30

AUTHORS: Urmancheyev, F. A. , Robinson, Ye. A. , ~~Kochayev, Kh. G.~~,
Le, B.

TITLE: Determination of the Individual Hydrocarbon Composition of
the Gasolines From the Petroleum of Tatarstan. (Opredeleniye
individual'nogo uglevodorodnogo sostava benzinov neftey Tatarii)
Communication 2. Gasoline From the Oil of the Romashkinskoye
Deposit (Minnibayevskaya Area) (Soobshcheniye 2. Benzin iz nefti
Romashkinskogo mestorozhdeniya (Minnibayevskaya ploshchad'))

PERIODICAL: Izvestiya Akademii Nauk SSSR Otdeleniye Khimicheskikh Nauk,
1958, Nr 3, pp. 324 - 327 (USSR)

ABSTRACT: In the present paper the authors deal with the individual
hydrocarbon composition of the gasolines (boiling point
150°C) of the ~~Bavlinskaya~~ and Romashkinskaya petroleums. They
discuss the results of the investigation of benzine of the
mineral oil of Minnebayevo. This investigation was performed
according to a combined method which was further developed
by Kazanskiy and Landsberg. The gasoline from Minnibayevskaya

Card 1/2

62-58-3-11/30

Determination of the Individual Hydrocarbon Composition of the Gasolines From the Petroleum of Tatarstan.. Communication 2. Gasoline From the Oil of the Romashkinskoye Deposit (Mannibayevskaya Area)

petroleum is similar to those from Bavlinskaya and Romashkinskaya petroleum. The gasolines from the Tuymazy oil are also similar to it. See the comparative tables 1 and 2. The gasolines of the petroleum wells of Tatarstan are inferior to those of Tuymazy, especially as regards the n.hexane- and n.heptane-content as well as the content of methylcyclopentane. For this see table 3. There are 3 tables and 4 references, 3 of which are Soviet.

ASSOCIATION: Khimicheskiy institut imeni A. Ye. Arbuzova Kazanskogo filiala AN SSSR
(Chemical Institute imeni A. Ye. Arbuzova of the Kazan Branch, AS USSR)

SUBMITTED: November 14, 1956

Card 2/2

8(2)

SOV/32-25-3-48/62

AUTHORS: Kashayev, A. Kh. G., Le, B., Shagidullin, R. R.

TITLE: On the Methods of Producing and Evaluating Raman Spectra
(K tekhnike polucheniya i obrabotki spektrov kombinatsionnogo
rasseyaniya)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 368-369 (USSR)

ABSTRACT: Some innovations in the analysis methods of gasoline fractions as to their hydrocarbon composition by means of the home-produced unit consisting of a spectrograph ISP-51, a comparator IZA-2, and a microphotometer MF-2 are described. Analyses were carried out according to the methods proposed by the Fizicheskiy institut i Institut organicheskoy khimii AN SSSR (Physics Institute, and Institute of Organic Chemistry, AS USSR). Considering the recommendations of Ref 2 the Hg lamp EPS-102 was connected via an electron stabilizer SN-2 and compensator LATR-1. The diaphragm according to Gartman was exchanged and thus a sharper spectrum obtained. The position of the objective was altered according to the stage of the analysis. In order to reach the maximum intensity of the spectrum without using too many vessels, a paper sheath (Fig 1) was made and used.

Card 1/2

In order to be able to use films of smaller size than the box,

SOV/32-25-3-48/62

On the Methods of Producing and Evaluating Raman Spectra

an insert to the box was made (Fig 2). A small device (Fig 3) was designed to facilitate the working with substances containing fluorescent admixtures. An instrument (Fig 4) made of brass foil was used for entering signs on the film. In order to facilitate the visual photometric evaluation a comparison with an iron spectrum is recommended. There are 4 figures and 2 Soviet references.

ASSOCIATION: Laboratoriya fiziko-khimicheskikh metodov issledovaniya
Kazanskogo filiala Akademii nauk SSSR
(Laboratory for Physico-chemical Investigation Methods of
the Kazan' Branch of the Academy of Sciences, USSR)

Card 2/2

S/120/63/000/001/016/072
E039/E420

AUTHORS: Agishev, A.Sh., Zinyatov, M.Z., Kashayev, S.-X.G.,
Kucheryavenko, N.S., Samigullin, F.M.

TITLE: A spin-echo spectrometer

PERIODICAL: Pribery i tekhnika eksperimenta, no.1, 1963, 78-83

TEXT: The spin echo spectrometer permits absolute values of important kinetic parameters to be obtained, for example parameters connected with the structure and motion of particles of material, such as the transverse (T_2) and longitudinal (T_1) times of relaxation of nuclear magnetization and also the coefficient of self-diffusion D for particles of liquid or gas. When using this spin-echo method the material is located in a nonuniform constant magnetic field H_0 and exposed to a high frequency field satisfying the magnetic resonance condition. The deviation of the direction of magnetization of the sample from the direction of H_0 depends on the duration of the pulse. For a deviation of 90° the HF pulse must satisfy the condition $\gamma H_1 t_1 = \pi/2$ where γ - gyromagnetic ratio of the resonating nuclei, H_1 - amplitude of HF pulse and t_1 - duration of the pulse.
Card 1/2

A spin-echo spectrometer

S/120/63/000/001/016/072
E039/E420

In order to obtain a deviation of 180° , double this pulse length would be required. A detailed description of the apparatus is given. It consists basically of a programming unit which enables six different methods of measurement to be used, a transmitter, a high frequency head and a receiver. The field H_0 is about 3844 Oe and is produced by an Alnico magnet. This field corresponds to a proton resonance frequency of 16.365 Mc/s. Nonuniformity is about 1 Oe in a sample of about 2 cm³. The duration of the 90° pulse is about 2 μ sec. Errors in the measurement of T_1 and T_2 are about 5%. Control measurements were carried out on an aqueous solution of 4 mole/litre VOCl_2 and values of T_1 and T_2 equal to 160 and 112 μ sec respectively obtained. For pure de-aerated benzene T_1 was 18.82 sec. Values of T_1 and T_2 from about 20 μ sec up to 100 sec or more can be measured by this method. There are 6 figures.

ASSOCIATION: Kazanskiy pedagogicheskiy institut
(Kazan' Pedagogic Institute)

SUBMITTED: February 24, 1962
Card 2/2

LE, B.; KASHAYEV, S.-Kh.G.; ZINYATOV, M.Z.; LIPATOVA, I.P.; LAMANOVA, I.A.

Raman spectra of normal paraffinic hydrocarbons C₁₁ - C₁₇ and their
spin-lattice relaxation time. Khim.i tekhnol.i masel 8 no.11:
22-24 N '63. (MIRA 16:12)

1. Kazanskiy institut organicheskoy khimii AN SSSR i Kazanskiy
gosudarstvennyy pedagogicheskiy institut.

KASHAYEV, S.Kh.G.; LE, B.; ZINYATOV, M.Z.

Viscosity, Raman spectra, and thermodynamic constants of the homologous series of normal paraffins C₅ - C₁₈. Dokl. AN SSSR 156 no. 2:408-411 My '64. (MIRA 17:7)

1. Kazanskiy gosudarstvennyy pedagogicheskiy institut i Institut organicheskoy khimii AN SSSR, Kazan'. Predstavleno akademikom B.A.Arbuzovym.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010012-7

(S) (OFF) P1-4 11/80

Kh. 1.1 14. 5.1 11/80

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010012-7"

Abstract: Results obtained in studying proton-spin lattice relaxation of the
... values and several characteristic parameter

... where organic liquids were ...

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relaxation parameter also points to the smallness of intermolecular interactions.

Actually if intermolecular interaction were substantial, the relaxation

parameter would be

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CIA-RDP86-00513R000721010012-7

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010012-7"

ASSOCIATION: Kazanskiy gosudarstvennyy pedagogicheskiy institut (Kazan State

KASHAYEVA, A. A.

" Filtrable Microorganisms of the Pleuropneumonia Group Paramelia." Sub
14 Apr 47, Moscow Medical Inst, Ministry of Health RSFSR

Dissertations presented for degrees in science and engineering in Moscow in
1947

SO: Sum No. 457, 18 Apr. 55

KASHAYEVA, A. A.

May/Jun 47

USSR/Medicine - Toxicology
Medicine - Inflammation

"The Significance of the Focus of Acute Inflammation for the Concentration of Toxic Substances in the Organism," I. M. Neiman, A. A. Kashayeva, N. I. Klyashko, 6 pp

"Arkhir Patologii" Vol IX, No 3

Discussion of a study of the inflammation process in rats with a "blocked" reticulo-endothelial system.

PA 11795

KASHAYEVA, A. A.

Jul 53

USSR/Medicine - Dysentery

"The Significance of B₂-Hypovitaminosis for the Reproduction of Experimental Dysentery Infection in Monkeys," A. A. Kashayeva, A. S. Aksenova, (Sukhumi) Med-Biol Sta, Acad. Med Sci USSR

Zhur Mikro, Epid, i Immun, No 7, pp 63-68

Results obtained on rhesus monkeys indicate that when a slight M-hypovitaminosis (Lack of the B₂ complex M-component, i.e., of folio acid) is established by feeding a defective diet, the monkeys can be infected with Flexner dysentery.

267T48

KASHAYEVA, A.A.; OL'SHTEYN, S.Ye; LIBINZON, A.Ye.

Regeneration of filtrable forms of various bacteria. Zhur.mikrobiol.
epid.i immun. no.8:79-84 Ag '54. (MLRA 7:9)

1. Iz kafedry mikrobiologii (zav.prof. A.A.Kashayeva) Rostovskogo
gosudarstvennogo meditsinskogo insituta.
(BACTERIA,
filtrable forms, regen. of)

KASHAYEVA, A.A.; KIRITSEVA, A.D.; LIBINZON, A.Ye.; AVROROVA, R.I.

Active whooping cough immunity under experimental conditions. Zhur.
mikrobiol.epid. i immun. 30 no.9:46-51 S '59. (MIRA 12:12)

1. Iz Rostovskogo-na-Donu meditsinskogo instituta.
(WHOOPING COUGH immunol.)
(VACCINATION)

SOV/16-59-9-10/47

17(2)

AUTHORS: Kashayeva, A.A., Kiritseva, A.D., Libinzon, A.Ye., and Avrorova, R.I.

TITLE: Experimental Active Anti-Pertussis Immunity

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959, Nr 9
pp 46-51 (USSR)

ABSTRACT: In 1956 M.S. Zakharova produced a vaccine of phase I Haemophilus pertussis strains killed with formalin or merthiolate and intended for the induction of an active immunity against whooping cough. The epidemiological efficacy of this vaccine has been studied by Gordina, Lazurenko, Filosofova, Shekhter, Milovanova and Gres'-Edel'man. Doubts have now arisen as to the long-term efficacy of anti-pertussis vaccines and subject authors therefore undertook a further study of the features of such immunity and the methods of inducing it. Tests were performed by injecting laboratory animals subcutaneously with typical phase I H. pertussis strains obtained from the Gosudarstvennyy kontrol'nyy institut imeni Tarasevicha (State Control Institute imeni Tarasevich) and the Moskovskiy institut vaktsin i syvorotok imeni Mechnikova (Institute of Vaccines and Sera imeni Mechnikov, Moscow). Difficulty was experienced in inducing immunity of the respiratory tracts; this

Card 1/2

KASHAYEVA, A.A.; LIBINZON, A.Ye.; KIRITSEVA, A.D.; DZHANPOLADOVA, V.P.;
VASINA, Ye.A.

Significance of the peculiarities of Hemophilus pertussis strains
in the appearance of nonspecific sensitization. Zhur.mikrobiol.
epid. i immun. 32 no.4:38-42 Ap '61. (MIRA 14:6)

1. Iz Rostovskogo gosudarstvennogo meditsinskogo instituta.
(WHOOPIING COUGH)

KASHAYEVA, A.N.

Adjustment of cutting tools of semiautomatic thread-cutting lathes.
Stan. 1 instr. 29 no.3:34-35 Mr '58. (MIRA 12:1)
(Screw-cutting machines)

KALININ, A.P.; KASHAYEVA, A.N.

Machining end teeth of couplings using gear shaping techniques.
Stan. 1 instr. 34 no.9:33 S '63. (MIRA 16:11)

MISHIN, I.; KASHAYEVA, Ye.

Contribution of efficiency promoters. Avt. transp. 39 no. 5:55 My
'61. (MIRA 14:5)

(Tataria—Highway transport workers)

KASHAYEVA, Ye.

If you are persistent. Avt.transp. 39 no.12:10-11 D '61.
(MIRA 15:1)
(Highway transport workers)

KASHCHAYEVA, M.N., inzh.; TORBIN, N.M., inzh.

Volt-second characteristics and discharge delay in the breakdown of some solid dielectrics. Izv. vys. ucheb. zav.; energ. 5 no.1:24-29 Ja '62. (MIRA 15:2)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskii institut imeni S.M.Kirova. Predstavleno seminarom kafedry tekhniki vysokikh napryazheniy.
(Dielectrics)

32552
S/143/62/000/001/001/001
D223/D302

9.2110 (1001, 1136, 1153)

AUTHORS: Kashchayeva, U.N. and Torbin, N.M.

TITLE: Volt-second characteristics and delay of discharge in
electrical breakdown of some solid dielectrics

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 1,
1962, 24-29

TEXT: The author gives the results of investigations of the breakdown voltage as a function of the time, during which voltage is applied. The materials examined were: Organic glass, fluoro-plast-4, viniplast, gektinase, textolite and electrical cardboard. The time varied between $3 \cdot 10^{-8}$ and 10^{-4} sec. Each point was evaluated as an average of 15-20 tests. Graphs show that the increase of breakdown in an inhomogeneous field begins for most dielectrics at 10^{-6} sec., whereas in homogeneous fields the breakdown voltage is constant for the time 7×10^{-5} to 5×10^{-7} sec. It is concluded that for exposure time used in these tests the increase of breakdown voltage is explained by the delay of the

Card 1/2

KASHCHEEV, V.N.

On the theory of admixture of ferromagnetics. Pts. 1-2.
Acta physica Pol 26 no.2:257-277 '64.

1. Institute of Physics of the Academy of Sciences of the
Latvian S.S.R., Riga.

9/091/60/000/04/11/023

AUTHORS: Kashchenets, P.Ye., and Zosim, Ye.N. Engineers

TITLE: Application of Germanium Diodes¹⁵ in Quenching Circuit Diagrams

PERIODICAL: Energetik, 1960, No. 4, pp. 26 - 27

TEXT: Having stated that the selenium rectifiers and copper-oxide rectifiers, suggested by Engineer A.S. Legler (this periodical, 1959, No. 2) for quenching circuits, are inferior to germanium diodes, suggested by the authors for the solenoid control over air breakers at a power plant of the Belorussenergo, the authors describe their advantages and ways of adaptation. A diagram of their quenching circuit, including DG-Ts²⁴ germanium diodes, is shown in Figure 1. Its superiority to the rectifiers suggested by Legler are said to be: low direct and reverse resistances (respectively 2-3 ohm, 100-500 kohm); a greater ability to withstand transient current overloads; a greater reverse voltage in single element (50 v for DG-Ts-21, up to 400 v for DG-Ts-27); smaller overall dimensions, and a greater durability in storage. This quenching diagram was developed in connection with the necessity to improve the operational reliability of the contacts in RP-23 relays within the solenoid circuits for the connection and disconnection of VVN-110 air breakers. Oscillogram (Figure 2) shows the current

Card 1/2

KASHCHENKO, A. I.

AUTHOR: Kashchenko, A.I., Dotsent

3-1-6/32

TITLE: The Seminar Becomes Interesting (Seminar stanovitsya interesnym)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 1, pp 26-30, (USSR)

ABSTRACT: The article explains at length the methods applied by the Yaroslavl' Pedagogical Institute (Yaroslavskiy pedagogicheskiy institut) to overcome the deficiencies in instructing and studying political economy, and gives an account on the activity of the Chair for Political Economy.

The shortcomings consist in the students, and sometimes also the instructors, having a false understanding of the close connection existing between political economy and economic policy. They are partly caused by the institute's plans and programs. Except for the special economic and medical vuzes, the higher educational institutions have at present a uniform type of program and the same time-table. This means, that the pedagogical institutes have to teach political economy by the same program as the technical and agricultural vuzes, where, in addition to political economy, a complex of economic disciplines is being studied. Thus the future teachers obtain

Card 1/2

KASHCHENKO, A.I., glav. red.

[Division of labor is an economic law of socialism] Rasprede-
lenie po trudu - ekonomicheskii zakon sotsializma; sbornik.
IAroslav', IAroslavskoe knizhnoe izd-vo, 1960. 300 p.
(MIRA 15:5)

(Wages and labor productivity)

CHUKHNO, A.A.; KOZLOV, G.A.; KASHCHENKO, A.I.; AGANBEGYAN, A.G.; VOLKOV, M.I.; ZHUKOVSKIY, Ya.M.; NAGORNIY, A.F.; TSAGOLOV, N.A.; KOVALEVA, M.F.; PAVLOV, P.M.; ATLAS, M.S.; KATS, A.I.; NAROVLYANSKIY, N.G.; ANCHISHKIN, I.A.; SPIRIDONOVA, N.S.; KRONROD, Ya.A.; SULIMOV, I.A.; BREGEL', E.Ya.; ROZENMAN, Ye.S.; VARTANYAN, K.A.; NOVIKOV, V.A.; GATOVSKIY, L.M.

Structure and content of the course on the economics of socialism.
Vop. ekon. no.6:57-143 Je '62. (MIRA 15:6)

1. Kiyevskiy gosudarstvennyy universitet (for Chukhno).
 2. Vysshaya partiynaya shkola pri Tsentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Kozlov, Volkov, Zhukovskiy).
 3. Yaroslavskiy gosudarstvennyy pedagogicheskiy institut (for Kashchenko, Narovlyanskiy, Sulimov).
 4. Institut ekonomiki i organizatsii promyshlennogo proizvodstva Sibirskogo otdeleniya AN SSSR (for Aganbegyan).
 5. Institut povysheniya kvalifikatsii prepodavateley obshchestvennykh nauk pri Kiyevskom gosudarstvennom universitete (for Nagornyy).
 6. Moskovskiy gosudarstvennyy universitet (for TSagolov, Spiridonova).
 7. Akademiya obshchestvennykh nauk pri Tsentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Kovaleva).
 8. Leningradskiy finansovo-ekonomicheskiy institut (for Pavlov).
 9. Moskovskiy finansovyy institut (for Atlas).
 10. Nauchno-issledovatel'skiy institut truda (for Kats).
 11. Institut ekonomiki AN SSSR (for Anchishkin, Kronrod).
 12. Moskovskiy ekonomiko-statisticheskiy institut (for Bregel').
 13. Moskovskiy energeticheskiy institut
- (Continued on next card)

CHUKHNO,---(Continued) Card 2.

(for Rozenman). 14. Armyskiy sel'skokhozyaystvennyy institut
(for Vartanyan). 15. Permskiy politekhnicheskiy institut (for
Novikov). 16. Chlen-korrespondent Akademii nauk SSSR, glavnyy
redaktor zhurnala "Voprosy ekonomiki" (for Gatovskiy).
(Economics--Study and teaching)

KASHCHENKO, A.Kh.

Effect of the age of swines on the quantity and quality of their
young. Zhur.ob.biol. 15 no.3:176-187 My-Je '54. (MLRA 7:6)
(SWINE BREEDING)

ZABOLOTNYY, I.I., kand. veter. nauk; KASHCHENKO, A.K., kand. sel'-
khoz. nauk; KOVALENKO, M.A., kand. sel'khoz. nauk; BORTS, I.L.,
kand. sel'khoz. nauk; KARAMYSHEV, A.P., ~~starahiy nauchnyy sotr.~~;
VENKOVA, G.I. [Vienkova, H.I.], red.; NEMCHENKO, I.Yu., tekhn.
red.

[Advanced practices in swine breeding] Peredovi metody robo-
ty v svynarstvi. Kyiv, Derzhsil'hospvydav URSR, 1961. 234 p.
(MIRA 15:7)

(Swine breeding)

KASHCHENKO, A.Kh. kand. sel'khoz. nauk; GARKUSHA, V.Ye.

[Harkusha, V.IE.], red.

[Reproduction of a swine herd] Vidtvorennia stada
svynei. Kyiv, Derzhsil'hospvydav URSR, 1963. 83 p.
(MIRA 18:1)

KASHCHENKO, A.S., Cand Agr Sci -- (diss) "Seasonal
dynamics of humus formation in ~~the~~ ^{turfy} ~~sed~~-podzolic *clayey*
~~clay~~ soils under conditions of Leningradskaya Oblast."
Len, 1958, 17 pp (Min of Agr USSR. Len Agr Inst)
100 copies (KL, 28-58, 108)

- 62 -

KASHCHENKO, Boris Peterovich.

Khrestomatia po fizicheskoj geografii SSSR. [Chrestomathy of physical geography of the USSR.] Posobie dlia uchitelei semiletnei i srednei shkoly. Sostacili: Kashchenko E. P., Raush V. A., IUzefovich, E. F. Moskva, Gos. ucheb.-pedagog. izd-vo, 1946. 427 p. illus.

Contains data on railroads and roads.

White Sea - Baltic canal (p. 159-161, illus.).

DLC: GB236.K3

Po nashel rodine. [Through our mother country]. Khrestomatia po geografii dlia uchitelei semiletnei i srednei shkoly. Sostavili: Kashcenko E. R., Raush V. A. i IUsefovich E. F. Izi. 2. Moskva, Gos. ucheb.-pedagog. izd-vo, 1949. 575 p. illus.

Contains data on Chuiskii highway (p. 219).

Osk-Khorog road (p. 566); Port of Igarkia (p. 244);

White sea - Baltic canal (p. 400); Railroads of Kazakstan (p. 461).

DLC: GB236.K3 1949

SO: SOVIET TRANSPORTATION AND COMMUNICATION, A BIEL OGRAPHY, LIBRARY OF CONGRESS Reference Department, Washington, 1952, Unclassified.

KASHCHENKO, Boris Petrovich; TROSTNIKOV, V.N., red.; TYSHKEVICH, Z.V., tekhn.
1962

[Motion-picture films for teaching geography in the schools]
Kinofil'm na urokakh geografii v shkole. Moskva, Izd-vo Akad.
pedagog. nauk RSFSR, 1955. 51 p. (MIRA 11:10)
(Motion pictures in education)
(Geography--Study and teaching)

LIST AND 2ND ORDER																		3RD AND 4TH ORDERS																	
PROCESS AND PROPERTIES INDEX																																			
<p><i>CX</i></p> <p>Roof of the Martin furnace. D. S. Kashchenko. Russ.</p> <p>52 448, Jan. 31, 1938; Construction details.</p>																		<p>9</p>																	
<p>ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>																																			
<p>1ST GROUP</p>																		<p>2ND GROUP</p>																	
<p>1ST ORDER</p>																		<p>2ND ORDER</p>																	
<p>1ST ORDER</p>																		<p>2ND ORDER</p>																	

KASHCHENKO, D.S.

KASHCHENKO, D.S.

Design of a 1000-watt meter (model 1000) in accordance with
no.10:677-678 of 1971.

1. Glavtrudostal' Ministerstva chern. metallurgii SSSR
(Blast furnaces)

KASHCHENKO, D.S.

5(1)

PHASE I BOOK EXPLOITATION 804/2127

Kokshimishskoye proizvodstvo; sbornik statey (By-Product Coking Industry: Collection of Articles) Moscow, Metallurgizdat, 1959. 840 p. 2,500 copies printed.

Ed.: D. S. Filippov; Ed. of Publishing House: A. A. Novykin; Tech. Ed.: P. S. Zelent'yeva

PURPOSE: The book is intended for engineers and technicians in the by-product coking industry and in scientific research institutes. The book may also be used by students in secondary and higher technical schools.

COVERAGE: The articles in this collection on the by-product coking industry appeared originally either in the periodical Koks i khimiya (Coke and Chemistry) or in other publications during 1955-1958. The book discusses the development of raw-material reserves for coking, technology of the manufacture of coke, quality of coke and further enlargement of the number of chemical coking products obtained. Some articles are devoted to a new procedure for preparing and beneficiating coals, new methods for coking, and to the mechanization and automation of industrial processes. References accompany individual articles.

Lerner, B. E. [Gosplan NGP]. Partial Mechanization and Automation in Coking Plants 285

Kashchenko, D. S. [Metallurgizdat], and S. A. Gerasimov [Gosplan NGP]. Ferro-coke and its use in the blast furnace 197

Krell, V. L. [Magnitogorskii metallurgicheskii kombinat - Magnitogorsk Metallurgical Combine]. Methods of Increasing the 60-80 mm Fraction of Metallurgical Coke 212

Litvinenko, M. S., and I. M. Nosolovich [MKN]. Prospects of the Development of Processing Chemical Obtained in the By-Product Coking Industry in the USSR. During 1959-1965 227

Nosolovich, I. M. [MKN]. Progress in Developing a Larger Number of Primary Products in the Processing of Coal Tar 254

AVAILABLE: Library of Congress

ADRIANOVA, V.P.; ANDREYEV, T.V.; ARANOVICH, M.S.; BARSKIY, B.S.; GROMOV, N.P.;
GUREVICH, B.Ye.; DVORIN, S.S.; YERMOLAYEV, N.F.; ZYOLINSKIY, I.S.;
KABLUKOVSKIY, A.F.; KAPELOVICH, A.P.; KASHCHENKO, D.S.; KLIMOVITSKIY,
M.D.; KOLOSOV, M.I.; KOROLEV, A.A.; KOCHINEV, Ye.V.; LESKOV, A.V.;
LIVSHITS, M.A.; MATYUSHINA, N.V.; MOROZOV, A.N.; POLUKAROV, D.I.;
RAVDEL', P.G.; ROKOTYAN, Ye.S.; SMOLYARENKO, D.A.; SOKOLOV, A.N.;
USHKIN, I.N.; SHAPIRO, B.S.; EPSHTAYN, Z.D.; AVRUTSKAYA, R.F., red.
izd-va; KARASEV, A.I., tekhn.red.

[Brief handbook on metallurgy, 1960] Kratkii spravochnik metallur-
ga, 1960. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1960. 369 p. (MIRA 13:7)
(Metallurgy)

RYABIN'KIY, Bronislav Yakovlevich; BERLIAND, S.S., inzh., retsenzent; GERA-SIMENKO, V.F., inzh., retsenzent; GRUDSKIY, Ye.B., inzh., retsenzent; DASHEVSKIY, Ya.I., inzh., retsenzent; DVORIN, S.S., inzh., retsenzent; KAMALOV, O.M., inzh., retsenzent; KARPMAN, M.A., inzh., retsenzent; KASHCHENKO, D.S., inzh., retsenzent; KOROLEV, M.N., inzh., retsenzent; KORSAKOV, A.A., inzh., retsenzent; LISENKO, T.P., inzh., retsenzent; PEKELIS, I.B., inzh., retsenzent; REVIYAKIN, A.A., inzh., retsenzent; ROMANOVICH, N.D., inzh., retsenzent; PRIYMAK, I.A., prof., red.; AVRUTSKAYA, R.F., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Planning and economics of metallurgical plants] Planirovanie i ekonomika metallurgicheskikh zavodov. Izd.2., dop. i perer. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 736 p. (MIRA 13:2)

(Metallurgical plants)

S/135/61/000/001/009/018
A006/A001

AUTHOR: Kashchenko, F.D., Engineer

TITLE: Organization of Model Hardfacing of Parts at the Magnitogorsk Metallurgical Combine

PERIODICAL: Svarochnoye proizvodstvo, 1961, No. 1, pp. 29 - 32

TEXT: According to a decision of the Communist Party and the USSR Council of Ministers, eight hardfacing departments have been organized at various shops of the Magnitogorsk Metallurgical Combine. These departments are equipped with 17 machines for the automatic hardfacing under flux, in a gas shield, and vibration-arc hardfacing. The units are redesigned lathes onto which hardfacing devices of the A-384, A-409 and KJMA-5M (KUMA-5M) type have been mounted. These units are used for hardfacing round parts. Plane parts are hardfaced on A5C (ABS), (A-475) and A-384 devices. Information is given on the technology of hardfacing various parts. 1) The hardfacing of blast furnace cones is made with powder wire of the following grades: ПП - 3X2B8 (PP-3Kh2V8), producing a layer of HRC 50-54 hardness; ПП - X12B1F (PP-Kh12V1F) for building up layers of HRC 40-45; ПП - X10B14 (PP-Kh10V14) producing layers of HRC 58-60 hardness. An-20 flux is used. Up to

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S/135/61/000/001/009/018
A006/A001

Organization of Model Hardfacing of Parts at the Magnitogorsk Metallurgical Combine

5 layers are built up. The chemical composition of the built-up metal is given in Table 1. Conditions of hardfacing large cones are: (initial layer) 500 - 550 amps current; 25 - 30 v arc voltage; 42 - 50 m/hr building-up speed; 56 - 83 m/hr electrode wire feed; (subsequent layers): 600 - 650 amps current; 25 - 28 v arc voltage; 57 - 58 m/hr building-up speed; 108 - 123 m/hr wire feed. Small cones are hardfaced at 400 - 450 amps current; 28 - 30 v arc voltage; 21 - 52 m/hr building-up speed; 49 - 83 m/hr wire feed (initial layer); and 500 - 600 amps current; 28 - 30 v arc voltage; 21 - 52 m/hr building up speed and 49 - 108 m/hr wire feed (subsequent layers). Hardfacing of cone rods is made with PP-3Kh2V8 wire in three layers under AN-20 flux. 2) Hardfacing of blooming and slabbing mill press shear blades is made on a milling machine with an ABS apparatus and PP-3Kh2V8 wire. Prior to hardfacing a 40-mm wide 4-mm deep facet is planed on the side surface of the blade as shown in Figure 3. The blades are heated in a gas furnace to 450 - 470°C and hardfaced in 3 layers with d-c of reverse polarity under AN-20 flux; they are then cooled down in a furnace and polished. Hardness of the built-up layers after annealing is HRC 50-54. The durability of the blades increased by 4-7 times. 3) Hardfacing of rolling-mill rolls is made on a machine

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S/135/61/000/001/009/018
A006/A001

Organization of Model Hardfacing of Parts at the Magnitogorsk Metallurgical Combine

designed at the Combine which can be used for hardfacing smooth and grooved rolls of 490 mm diameter and 2,250 mm length, with PP-3Kh2V8 wire and AN-20 flux. The rolls are heated to 370°C, hardfaced in 3 layers, cooled, machined, annealed at 350 - 380°C and cooled. The annealing process lasts not less than 16 hours. Hardfacing conditions are (initial layer): 240 - 280 amps current; 32 - 36 v arc voltage; 42 m/hr speed; 56 m/hr electrode wire feed; (subsequent layers): 350-380 amps current; 26 - 28 v arc voltage; 52 m/hr speed and 108 m/hr wire feed. Hardfacing with 3 electrodes and 48-Of-6 flux was developed using a three-electrode tip mounted on a A-384 apparatus. By the supply of 3 electrodes to the arc zone, the penetration depth into the base metal was reduced, thus increasing the welding current and the efficiency of the process. 4) Hardfacing of protective casings used in blast furnace and sintering shops is made on a six-electrode A-475 apparatus with a stalinite layer with Sv-08A wire under AN-348 flux; the width of the built-up head attains 100 mm; the efficiency of the method exceeds that of single-electrode process by 5 times. A highly efficient method of broad-layer hardfacing with a cast-iron strip was developed at the Institute of Electric Welding imeni Ye.O. Paton. The cast-iron strip replaces the expensive stalinite. The built-up

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S/135/61/000/001/009/018
A006/A001

Organization of Model Hardfacing of Parts at the Magnitogorsk Metallurgical Combine

metals consists of refined cast-iron of HRC 40-50 hardness and has the following chemical composition (initial layer): 3.0 - 3.5% C; 0.7 - 1.0% Si; 0.4 - 0.6% Mn. Hardfacing is made with an A-384 apparatus equipped with a special tip for the feed of a 20 - 100 mm wide and 0.5 - 1.5 mm thick strip. The process is conducted on d-c of reverse polarity under AN-28 flux and 22-25 v arc voltage; the speed is 8 - 12 m/hr. 5) Reconditioning of hammer crusher beaters has been investigated by building-up with PP-5Kh23G6T, PP-Kh12V1F and experimental M-7 wire on a A-537 semi-automatic machine specially adjusted for building up with an unshielded arc. The powder wire diameter is 3.5 mm. The durability of built-up hammers increased 3 - 4 times. 6) Building-up with non-ferrous alloys is made with bronze strips and brass wire. Due to the introduction of wear-resistant hardfacing processes the Combine achieved savings of not less than 1,000 tons metal per year; it is intended to attain by 1965 the capacity of the building-up shops of 400 tons of weld metal. Presently, the installation of a number of new units is being prepared including the KZK-34 (KZh-34) machine for hardfacing 8-ton rolls; a A-513 hardfacing machine, a P-643 (R-643) machine for hardfacing wheel pairs, and 3 semi-automatic A-537 units for hardfacing in carbon dioxide.

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A006/A001

Organization of Model Hardfacing of Parts at the Magnitogorsk Metallurgical Combine

Table 1:

Chemical composition of built-up metal in %

Powder
wire
grade

	C	Mn	Si	Cr	W	V
ПП-3Х2В8	0,37—0,43	0,6—0,7	0,5—0,7	2,2—2,7	7,5—9	0,2—0,5
ПП-Х10В14	3,55—3,75	0,24—0,27	0,4—0,5	8,8—10	13—14	—
ПП-Х12В1Ф	2,5—2,65	0,19—0,26	0,4—0,5	15—16	1,7—2	0,43—0,48

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S/135/61/000/001/009/018
A006/A001

Organization of Model Hardfacing of Parts at the Magnitogorsk Metallurgical Combine

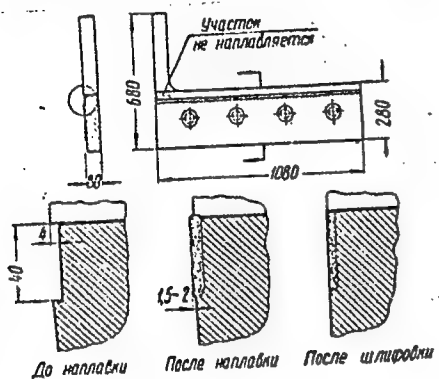


Figure 3:

Preparing for hardfacing a lower blooming blade.

There are 7 figures and 6 tables.

Card 6/6

KASHCHENKO, F.D., inzh.

Repair of gearings on the 4500 mill by electric slag welding. Svar.
proizv. no.4:38-39 Ap '62. (MIRA 15:3)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Gearing--Welding)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010012-7

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721010012-7"

ACCESSION NR: AP5008 00

amps, $U=30-32$ volts, $V_g=38$ meters per hour. In order to eliminate crack formation, the rollers were preheated by induction to $420-450^{\circ}\text{C}$ using current of industrial frequency. After surfacing, the rollers were tempered

out cracks.

Determined in tests of the surfaced rollers were: wearability

Page 2/2

SHADRIN, G.A.; KASHCHENKO, F.D.; GARYAYEV, A.L.

Properties of various kinds of bronze hard facing on steel.
Avtom. svar. 17 no.2:81-85 F '64. (MIRA 17:9)

1. Magnitogorskiy metallurgicheskiy kombinat.

SHADRIN, G.A.; KASHCHENKO, F.D.; GARYAYEV, A.I.

Manufacture of bimetal parts by means of mechanized hard facing
of bronze on steel. Avtom. svar. 17 no.5:88-91 My '64. (MIRA 17:11)

1. Magnitogorskiy metallurgicheskiy kombinat.

KSENDZYK, G.V.; KASHCHENKO, F.D.; Prinimala uchastiye MAKAROVA, M.N., inzh.

Hard facing of mining and metallurgical equipment with a cast
iron strip. Avtom. svar. 17 no.6:83-85 Je '64 (MIRA 18:1)

1. Institut elektrosvariki imeni Ye.O. Patona AN UkrSSR (for
Ksendzyk 2. Magnitogorskiy metallurgicheskii kombinat (for
Kashcherko).

KASHCHENKO, F.D.; GARYAYEV, A.L.; KOVALENKO, V.V.

Device for heating cones and bells of charging equipment. Avtom.svar.
18 no.1:64-65 Ja '65. (MIRA 18:3)

1. Magnitogorskiy metallurgicheskiy kombinat (for Kashchenko,
Garyayev). 2. Institut gaza AN UkrSSR (for Kovalenko).

KASHCHINKO, F.D.; GARYAYEV, A.L.; SMIRNOV, B.I.

New powder wire for hard facing rolling mill rolls. Avtom. svar.
17 no. 10:47-52 0 '64 (MIRA 18:1)

1. Magnitogorskiy metallurgicheskiy kombinat.

SHASTIN, V.A.; KASHCHENKO, F.D.

Build-up welding of the charging equipment cones in blast furnaces.
Stal' 25 no.8:795-796 S '65. (MIRA 18:9)

1. Magnitogorskiy metallurgicheskiy kombinat.

KASHCHENKO, F.D.; SMIRNOV, B.I.

Investigating the metal deposited by an MMK-61 powder wire.
Avtom.svar. 18 no.11:20-24 N '65. (MIRA 18:12)

1. Magnitogorskiy metallurgicheskiy kombinat. Submitted
February 9, 1965.

KASHCHENKO, F.P.

Grapes are made sweeter. Nauka i shizn' 27 no.6:34 Ja '60.
(Viticulture) (Gibberellic acid) (MIRA 13:7)

KASHCHENKO, F.P.

Bone groats. Nauka i zhizn' 28 no.12:51 D '61.

(MIRA 15:2)

1. Zaveduyushchiy agrokhimicheskoy laboratoriyey Dobrovol'nogo
obshchestva sodeystviya ozeleneniyu Moskvyy, Moskva.
(Fertilizers and manures)

KASHCHENKO, G. A.

DECEASED

1963/3

PHYSICAL METALLURGY

(1962)

I 57504-46

ENG(1)/INT(1)/DEF(1)/REF(1)

13
G. G.: Masnchenko, I. M.; Krysin, B. T.; Kolpakov, Ya. V.; Smirnov,
Mikhaylovskiy, V. A.; Tsytseba, V. V.

118-119 ¹⁶ ¹⁶ izobreteniy i tovarnykh znakov, no. 11, 1965,

aircraft brake

ABSTRACT: AN AUTHOR Certificate has been issued for a method of producing friction parts (e.g., brake-unit parts) for aircraft from powder components. To reduce wear, the mixture contains 10-15% of

1. KASHCHENKO, K.A.- Eng. RYBAsENKO, I.D.- Eng.
 2. USSR (600)
 3. Machinery
 4. Inferior book ("Chemical and thermic processing of machine parts"). D.S.Kazarnovskiy, I.S.Svet. Reviewed by Eng. K.A.Kashchenko, Eng. I.D.Rybasenko. Vest. Mash. ³²No. 7 - 1952.
9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

USSR/ Engineering - Heat treating

Card 1/1 : Pub. 128 - 16/38

Authors : Kashchenko, K. A.

Title : On the heat treatment of 18 KhGT steel using a solid carburizing medium

Periodical : Vest. mash.³⁴, 9, 62-65, Sep 1954

Abstract : Recommendations are given for normalizing, casehardening, quenching and tempering 18 KhGT nickelless steel. These are based on results of experiments on mechanical properties achieved by different heat treatment programs which are reported in the article. This nickelless steel cannot be replaced by chromium-nickel steel when ruling component section exceeds 80 mm thickness. The steel composition is given as: 0.17% C, 1.03% Mn, 0.2% Si, 0.022% S, 1.17% Cr, and 0.12% Ti. Two USSR references (1951). Tables; graphs.

Institution :

Submitted :

KASHCHENKO, K.A.

USSR/ Engineering - Metal working

Card 1/1 Pub. 128 - 24/35

Authors : Kashchenko, K. A., Engineer

Title : On the applicability of Bakh's formula to modern heat-processed steels

Periodical : Vest. mash. 35/3, 75 - 80, Mar 1955

Abstract : Numerical values derived from the changes in dimensions of certain Soviet standard steels, during heat processing, are confronted with each other in order to show the applicability of Bakh's formula, according to which the relationships between the relative lengthenings of specimens varying in size by different multiples, are based on a table which has acquired the force of a standard, and which was computed by Bakh for plastic materials some decades ago. The formula, itself, is presented. Four USSR references (1946-1952). Tables.

Institution :

Submitted :

KASHCHENKO, K.A.

KASHCHENKO, K.A.

Formulas for calculating elongations of various specimens having
different reduction of area. Zav.lab. 22 no.10:1264-1266 '56.
(MLRA 10:5)

1.Zavod burovogo instrumenta im. S.M. Kirova.
(Metals--Testing)

AUTHOR: Kashohenko, K. A.

SOV/163-58-3-45/49

TITLE: The Effect of Silicon on the Properties of Cementite Steel
(Vliyaniye kremniya na svoystva tsementuyemoy stali)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958, Nr 3,
pp 261-268 (USSR)

ABSTRACT: In the present paper experiments were carried out to improve the mechanical properties of cementite steels with different silicon content. Three alloys were investigated: 20S, 12KhN2S and 25KhGST. Different quantities of silicon were added to investigate the steels. Silicon increases the mechanical properties and first of all improves the stability of the slags. In low-carbon steels no graphitization in the cementite layer or in the core of the steel sample takes place when silicon is added in quantities of 1-1,2%. On an increase of the silicon content in the steel sample 12KhN2S to 0,9-1,2% and in the steel 25KhGST to 1,1-1,3% the first steel sample may be substituted by the steel 12KhN2, and the second by the steel 12Kh2N4A. Cementite steels are alloyed with carbide-forming and graphitization-impeding elements, e.g. silicon. The hardened cementite steel is practically not sub-

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SOV/163-58-3-45/49

The Effect of Silicon on the Properties of Cementite Steel

jected to any changes when the silicon content is increased. The maximum limit of stability in the steel 20S and steel 12KhN2S is at 0,7% of silicon, and in the steel 25KhN2S it is about 0,6%. The influence of silicon on the stability of the slags of the steels mentioned above was investigated at different ratios Sz/S. The results obtained are given in figure 4. The best slag stability of the cementite steel samples was found at Sz/S = 0,32-0,38. The different effect of the silicon content on the slag stability of cementite steel samples may be explained by the fact that in the steel sample 20S the eutectic zone in the cementite layer and the saturation with carbide formations are absent. There are 4 figures, 2 tables, and 8 references, all of which are Soviet.

ASSOCIATION: Leningradskiy politekhnicheskii institut (Leningrad Polytechnical Institute)

SUBMITTED: October 1, 1957

Card 2/2

KASHCHENKO, K.A.

Thermal processing of cemented products. Azerb.neft.khoz. 37
no.6:40-41 Je '59. (MIRA 13:4)
(Cementation (Metallurgy))

The effect of the hypophysis upon the gonads in teleostei.
N. L. Gerbilakii and L. A. Kashchenko. Bull.
Ist. m.d. expil. U. R. S. S., 138-9(1037).--Expts. were
performed on sticklebacks, pike-perches and breams kept
in fish tanks with running water during the non-spawning
season. Each female was injected (into the lymphatic
spaces of the skull) with a suspension of 2 hypophysies ob-
tained from females of the corresponding species. This
led to profuse spawning with the production of mature
fertilizable eggs 12 hrs. to 4 days after the injections.
Pos. results were obtained only with gland suspensions
of females which had not yet spawned. S. A. Conson

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ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

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<p>EFFECT OF RADIANT ENERGY ON THE GONADOTROPIC FACTOR OF THE ANTERIOR LOBE OF THE HYPOPHYSIS. L. A. Kashchenko, <i>Doklady Akad. Nauk S.S.S.R.</i> 77, No. 1, 157-60(1951) Mar. 1. (In Russian)</p> <p>Anterior pituitary hormone extract was exposed to 30,000 to 1,034,000 r of x radiation, to 0.022 to 35.00 mcd of radium β radiation, or to ultraviolet light. Changes in gonadotropic activity are tabulated. Activity changes on up to 90-days storage following the 100,000-r x irradiation also are listed.</p>																																																			
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KASHCHENKO, I.A.

(3)

The action of hormones on irradiated organs. I. A. Kashchenko and A. D. Poshnityna (*C. R. Acad. Sci., U.R.S.S.*, 1953, 83, 575-578).--The impairment of the response of frog ovaries, testes, and seminal vesicles to anterior pituitary extract, 5-60 days after X-irradiation of the whole abdomen, was investigated. Max. effects were found at about 25 days after irradiation.

G. S. BRINDLEY.

KASHCHENKO, L.A.

with its functional state. L. A. Kashchenko, Pres. Endocr. Soc.
USSR, 1955, 1, 63-68. ~~Abstract No. 87471~~ in spite of the radioactivity of the gland being 10 times
higher than that of the normal gland.

KASHCHENKO, L.A., (Leningrad)

Relation of sensitivity of the thyroid to Iodine(I^{131}) to its functional state. Probl. endokr. i gorm. Moskva 1 no.3:65-68 My-Je '55. (MLRA 8:10)

1. Iz otdeleniya eksperimental'no-patologicheskoy morfologii (zav.-prof. G.S.Strelin) Tsentral'nogo nauchno-issledovatel'skogo retgeno-radiologicheskogo instituta (dir.-M.N.Pobedinskiy Ministerstva zdavookhraneniya SSSR.

(THYROID GLAND, function tests
radioiodine tests)

(IODINE, radioactive,
thyroid funct. test)

USSR/Human and Animal Physiology. Internal Secretion.
Hypophysis.

T

Abs Jour: Ref Zhur-Biol., No 20, 1958, 93384.

Author : Kashchenko, L.A., Pashnitsyna, A.D.

Inst

Title : Sensitivity of Normal Sexual Organs and Those Exposed
to Roentgen Rays to Gonadotropic Hormone of Hypophy-
seal Lobes.

Orig Pub: V sb.: Vopr. radiobiologiya, L., 1956, 185-199.

Abstract: Roentgen exposure of the peritoneal cavity of frogs
was accompanied by a decreased sensitivity of the
sexual organs to gonadotropin. The degree of de-
creased activity was directly proportional to the
dose of exposure and the period which elapsed after
exposure. Morphological changes in the structure of

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